

A Thesis
On
Preparation of modified ZnO nanoparticles
by sol-gel process and their characterization

Submitted in the partial fulfillment of requirement for the degree of

Master of Technology

in

Material Science and Engineering

by

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CERTIFICATE

I hereby certify that the work which is being presented in the thesis entitled, **“Preparation of modified ZnO nanoparticles by sol - gel process and their characterization”** in partial fulfillment of the requirements for the award of degree of Master of Technology in **Material Science and Engineering** submitted in School of Physics and Materials Science of Thapar University, Patiala, is an authentic record of my own work carried out under the supervision of **Prof. K. K. Raina** and refers other researcher’s works which are duly listed in the reference section.

This is to certify that the above statement made by the candidate is correct and true to the best of my knowledge.



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